

IN THE CLAIMS:

1. (Previously presented) Device (1, 51) for a rotatable coupling of two coaxial connection elements (2, 3; 52, 53), comprising a rotating bearing formed as a single-row or multi-row rolling bearing (5, 55) between the connection elements (2, 3; 52, 53) for accommodating axial and radial loads and tilting moments, as well as a drive (10, 60) selectively coupled to both connection elements (2, 3; 52, 53) to effect relative rotation thereof, a frame of the drive being secured to a first connection element (2, 52), while its rotor is connected to a pinion (12) or a worm (62), which pinion or worm mesh with a casing-side toothing (15, 65) of a second connection element (3, 53), wherein securement means (6, 56) arranged in the form of a crown in a front end of the toothed connection element (3, 53) are provided for the securement of this connection element (3, 53) to a first machine part, the said securement means (6, 56) being arranged between the toothing (15, 65) and the rotating bearing (5, 55), characterised in that the toothing (15, 65) of the second connection element (3, 53) is enclosed by at least one housing part (16, 66) that is fixed to an untoothed connection element (2, 52) and surrounds a toothed connection element (3, 53) at a front end (18) opposite connection/securement means (6, 56), and that the securement means (7, 57) for securing the untoothed connection element (2, 52) to a second machine part are arranged on the untoothed connection element (2, 52) itself, so that a direct frictional connection is produced between the machine part and the untoothed connection element by securement means (bolts, etc.) (7, 57);

wherein a gap (30) between a housing part (28) and an outer circumference (14) of the tooth connection element (3) and gap (4) underneath the rolling bearing (5) are each enclosed by sealing rings (31, 33), which sealing rings (31, 33) are secured to opposite circumferences (14, 32) of the tooth connection element (3), and are pressed by their inherent elasticity in an axial direction against a lower front end of a cylindrical casing-shaped housing part (28) and against a lower front end (34) of the untoothed connection element (2); and

wherein the housing part (28) and sealing rings protect a lubricant grease against impurities.

2. (Previously presented) Device according to claim 1, characterised in that the toothing (15, 65) and a guideway for a ball-bearing race (5, 55) of the second connection element (3, 53) is formed by machining or shaping the said connection element/base member.

3. (Previously presented) Device according to claim 1, characterised in that at least one of the connection elements (2, 3; 52, 53) is formed as one of a group consisting of concentric ring and washer, and the securement means are formed as bores (6, 7; 56, 57) arranged therein in the form of a crown.

4. (Previously presented) Device according to claim 1, characterised in that the toothed connection element (3, 53) is formed as one of a group consisting of an internally toothed crown and an externally toothed crown.

5. (Previously presented) Device according to claim 4, characterised in that the rolling bearing of the toothed connection element (3, 53) is arranged on a casing surface opposite the toothing (15, 65).

6. (Previously presented) Device according to claim 5, characterised in that a radial distance of bores of the securement means (6, 56) of the toothed connection element (3, 53) to the base of the rolling bearing of the toothed connection element (3, 53) corresponds roughly to a radial distance of these bores (6, 56) from a base of the toothing (15, 65).

7. (Previously presented) Device according to claim 1, characterised in that bores of the securement means (6, 56) in the toothed connection element (3, 53) are provided with an internal thread.

8. (Previously presented) Device according to claim 1, characterised in that bores of the securement means (6, 56) of the toothed connection element (3, 53) are formed as blind holes open exclusively to a connection end, the bores having a depth between $\frac{1}{2}$ and $\frac{3}{4}$ of an overall height of the toothed connection element (3, 53).

9. (Previously presented) Device according to claim 5, characterised in that a floor of bores of the securement means (6, 56) of the toothed connection element (3, 53) is located roughly at a height having a greatest convexity of the toothed connection element (3, 53) as a result of an incorporated guideway for the rolling bearing (5, 55).

10. (Previously presented) Device according to claim 1, characterised in that a housing part (16, 66) secured to the untoothed connection element (2, 52) extends in the form of an annulus (17, 67) along a front end (18) of the toothed connection element (3, 53) and parallel thereto.